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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,438	03/31/2004	Philip R. Lehwalder	42P18582	9243
59796	7590	07/09/2007	EXAMINER	
INTEL CORPORATION c/o INTELLEVATE, LLC P.O. BOX 52050 MINNEAPOLIS, MN 55402			CAO, CHUN	
			ART UNIT	PAPER NUMBER
			2115	
			MAIL DATE	DELIVERY MODE
			07/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/816,438

Applicant(s)

LEHWALDER ET AL.

Examiner

Chun Cao

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 May 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3-7,9-11 and 13-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-7,9-11 and 13-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 1/12/07.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. Claims 1, 3-7, 9-11 and 13-19 are presented for examination.
2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The current title is imprecise.
3. The text of those applicable section of Title 35, U.S. Code not included in this action can be found in the prior Office Action.
4. Claims 1, 3-7, 9-11 and 13-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto et al. (Yamamoto); JP publication no. 2002-236527<sup>1</sup> in view of Amin et al. (Amin), U.S. patent no. 6,333,650.

As per claim 1, Yamamoto teaches a method comprising:

selectively enabling or disabling outputs of voltage regulator controllers in an electronic appliance based at least in part on settings stored in non-volatile memory [figures 1, 2; paragraphs 9-12 of the computer generated English translation].

Yamamoto does not explicitly teach that the setting stored in non-volatile memory comprises a series of delay times.

Amin teaches that the setting stored in non-volatile memory comprises a series of delay times assigned to voltage regulator controllers [col. 2, lines 36-41; col. 3, lines 45-50].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Yamamoto and Amin, the specify teachings of Amin stated

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<sup>1</sup> Applicant in IDS filed on 12/5/05 cites Yamamoto.

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above would improve the reliability of the Yamamoto system by preventing concurrently enable the controllers.

As per claim 3, Yamamoto inherently teaches that the outputs of the voltage regulator controllers provide operating voltages to one or more components selected from the group consisting of a microprocessor, a chipset, a memory controller, a graphics controller, a system memory, an input/output (I/O) controller and an I/O device [paragraphs 9-10 of the computer generated English translation; figures 1, 2].

As per claim 4, Official Notice is taken that the type of non-volatile memory is very well known in the computer art. Such as, Yamamoto inherently discloses at least one memory selected from the group consisting of read only memory (ROM), flash memory, battery-backed static random access memory (SRAM), and electrically erasable programmable ROM (EEPROM) [fig. 1; paragraph 9 of the computer generated English translation].

As per claim 5, Amin teaches of locking out a power supply until the voltage regulator controller outputs are stable [col. 1, lines 64-66].

As per claim 6, Amin teaches of retrieving delay times for a future power state change [col. 2, lines 36-41; col. 3, lines 45-50].

As to claims 7, 9, 10 and 16-19 basically are the corresponding elements that are carried out the method of operating steps in claims 1 and 3-6. Accordingly, claims 7, 9, 10 and 16-19 are rejected for the same reason as set forth in claims 1 and 3-6.

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As to claims 11 and 13-15, Yamamoto and Amin together teach the claimed method of steps. Therefore, Yamamoto and Amin teach the claimed contents stored in a storage medium to carry out the method of steps.

5. Applicant's arguments filed 5/21/2007, which have been fully considered but they are not persuasive. Applicant's arguments with respect to claims 1, 3-7, 9-11 and 13-19 have been considered but are moot in view of the new ground(s) of rejection.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 571-272-3664. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 27, 2007



**CHUN CAO  
PRIMARY EXAMINER**